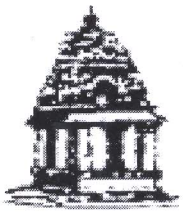


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: Estimate for Improvements to Drains at Kallappa Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Job Code:

Estimated Cost: Rs: 20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Drains at Kallappa Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

							Estimate Cost:		2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	Kallappa Layout		1	132.00	1.00	0.90	118.80		
	D Lokesh Building Road		1	150.00	1.00	0.90	135.00		
	Basic Rate	130.00					**253.80**	243.88	**61897.00**
	Area Weightage @ 6%	7.80							
	Sub Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							
	Bottom Concrete								
	Kallappa Layout		1	132.00	1.00	0.15	19.80		
	D Lokesh Building Road		1	150.00	1.00	0.15	22.50		
	Basic Rate	5102.00					**42.30**	5408.12	**228763.00**
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
3	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2018-19**	Cum							
	Bottom Concrete								
	Kallappa Layout		1	132.00	0.90	0.15	17.82		
	D Lokesh Building Road		1	150.00	0.90	0.15	20.25		
	Side Wall								
	Kallappa Layout		2	132.00	0.15	0.60	23.76		
	D Lokesh Building Road		2	150.00	0.15	0.60	27.00		
	Basic Rate	5444.00					**88.83**	5770.64	**512606.00**
	Area Weightage @ 6%	326.64							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**5770.64**							
4	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19**	Tonne							
	For RCC Drain @ 60 Kg / Cum		0.06	88.83			**5.33**	75223.96	**400929.00**
	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	**75223.96**							
5	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.31 PWD SR 2018-19**	Sqm							
	Side Wall								
	Kallappa Layout		4	132.00		0.60	316.80		
	D Lokesh Building Road		4	150.00		0.60	360.00		
	Basic Rate	358.00					**676.80**	379.48	**256832.00**
	Area Weightage @ 6%	21.48							
	Total	**379.48**							
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	For Covering Slab								
	Kallappa Layout		1	132.00		0.90	118.80		
	D Lokesh Building Road		1	150.00		0.90	135.00		
	Basic Rate	700.00		282.00			**253.80**	742.00	**188320.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							
7	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 26 / Item No. 5.22, PWD SR 2018-19**	m							
			470	3.00			**1410.00**	61.48	**86687.00**
	Basic Rate	58.00							
	Area Weightage @ 6%	3.48							
	Total	**61.48**							
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Covering Slab Ramp								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Kallappa Layout		1	132.00	0.30	0.10	3.96		
	D Lokesh Building Road		1	150.00	0.30	0.10	4.50		
	Basic Rate	5422.00					**8.46**	5747.32	**48622.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							
	Sub Total								**1784656.00**
	GST @ 12%								**214159.00**
	Miscellaneous and other Charges	L/S							**1185.00**
								Total	**2000000.00**
Rupees Twenty Lakh(s) Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2018-19 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Suvetha. N K
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

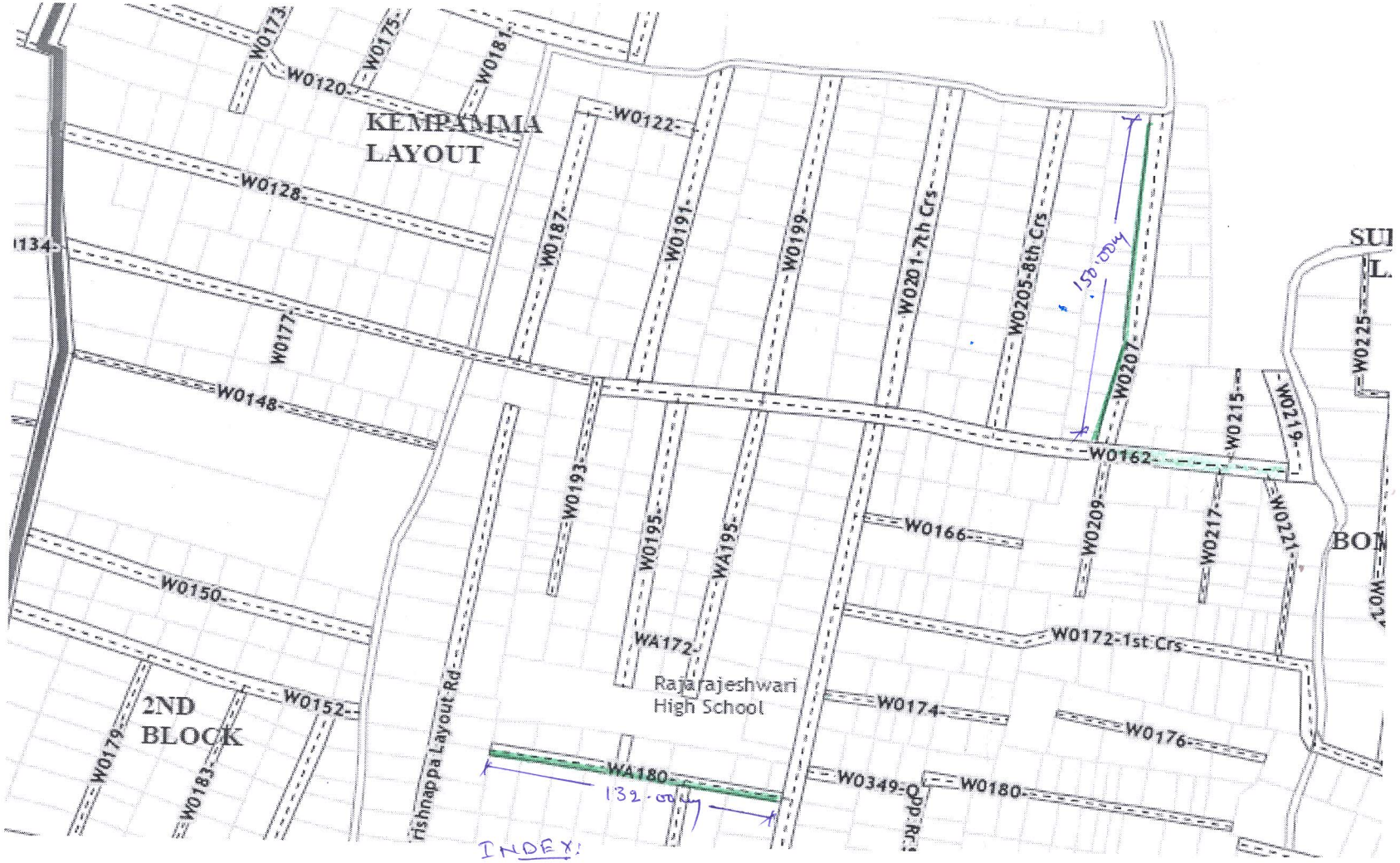
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For Rs 20 lakhs only
Head of A/C. P1771
CER NO : 51 Dt: 10.07.2019

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 20.00 Lakhs only
Head of A/c. P1771, POW works
Div. Ref. No. 53 | 19-20 Date. 10-7-19
AE EE(BTP)

Name of work: Improvements to Drains at Kallappa Layout in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 10,
Vidyaranyapura Sub Division.

Lead Distance:

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 11 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 10.
3. The above distance is the shortest distance for calculating the lead.

Sunitha. N K
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

LOAD CHART FOR DUMPING YARD FOR WARD NO